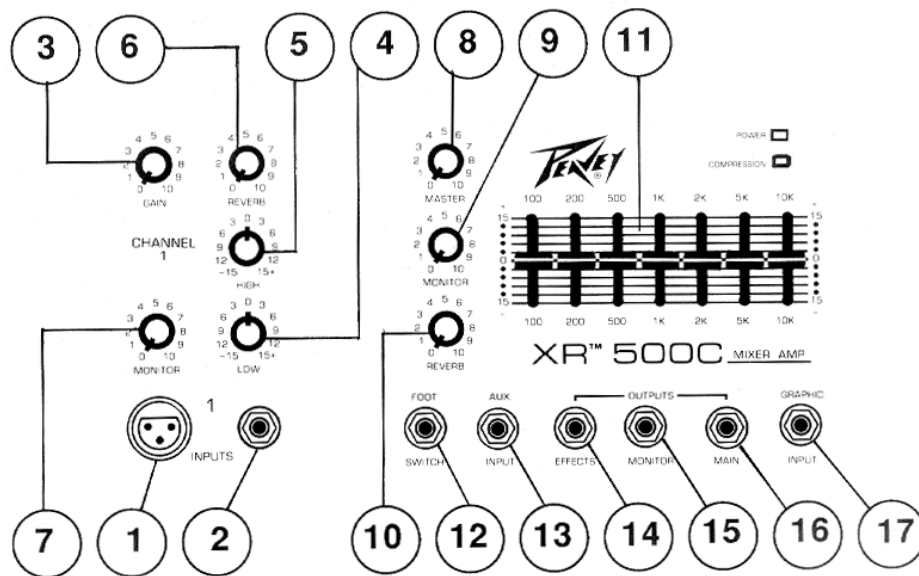


# XR® 500C

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#### (1) BALANCED, LOW IMPEDANCE INPUT

For use with low impedance microphones or low level sources equipped with an XLR connector.

#### (2) HIGH IMPEDANCE INPUT JACK

For use with high impedance microphones or high level sources equipped with a 1/4" phone plug.

NOTE: It is not possible to use both the Low and High Impedance inputs on any single channel simultaneously.

#### (3) GAIN

Controls the channel volume.

#### (4) LOW FREQUENCY EQ

An active tone control (shelving type, +/- 15 dB) that varies the low frequency range. CAUTION: Excessive low frequency boost causes greater power consumption and increases possibility of speaker damage.

#### (5) HIGH EQ CONTROL

An active tone control (shelving type, +/- 15 dB) that varies the high frequency range.

#### (6) REVERB

Sets the level of reverb (echo effect) for the channel and must be used with the Master Reverb control. When external effects are connected, this control sets the signal level of the Effects Send jack in the Master section.

#### (7) MONITOR

Determines the channel's monitor mix level and is independent of all other channel controls.

#### (1) BALANCED, LOW IMPEDANCE INPUT

(Symmetrischer, niederohmiger Eingang)  
Zum Anschluß niederohmiger Mikrophone oder für Geräte mit geringer Ausgangsspannung, die mit einem XLR-Stecker ausgerüstet sind.

#### (2) HIGH IMPEDANCE INPUT JACK

(Hochohmiger Klinkeneingang)  
Zum Anschluß von hochohmigen Mikrofonen oder hochpegeligen Signalen, die mit einem 1/4"-Klinkenstecker ausgerüstet sind.

Achtung! Es ist nicht möglich, den hoch- und niederohmigen Eingang gleichzeitig zu betreiben.

#### (3) GAIN

(Gain)  
Regelt die Lautstärke des Kanals.

#### (4) LOW FREQUENCY EQ

Aktive Klangregelung für die tiefen Frequenzen. Anhebung und Absenkung im Bereich von +/- 15 dB möglich. Achtung: Extreme Bassanhebung erfordert einen höheren Leistungsbedarf und kann evtl. zu einer Lautsprecherbeschädigung führen.

#### (5) HIGH FREQUENCY EQ

Aktive Klangregelung für den hohen Frequenzbereich (+/- 15 dB).

#### (6) REVERB

(Hall)  
Regelt den Hallanteil für den Kanal und muß in Verbindung mit dem Master-Hallregler benutzt werden. Wenn externe Effekte angeschlossen sind, kann mit dieser Regler der Signalpegel des Effektgeräts zur Mastersektion eingestellt werden.

#### (7) MONITOR

(Monitor)  
Bestimmt den Anteil des Kanalsignals im Monitormix und ist von allen anderen Reglern des Eingangskanals unabhängig.

#### (1) BALANCED, LOW IMPEDANCE INPUT

(Entrée)  
Prise d'entrée symétrique acceptant le signal des micros ou autres sources à basse impédance équipées d'un connecteur XLR.

#### (2) HIGH IMPEDANCE INPUT JACK

(Entrée Jack)  
Prise d'entrée acceptant le signal des micros ou autres sources à haute impédance équipées d'une prise jack 6,35.

NOTE: les deux prises Haute et Basse impédance ne sont pas utilisables simultanément.

#### (3) GAIN

Commande le niveau du canal.

#### (4) LOW FREQUENCY EQ

(Potentiomètres Graves)  
Ce réglage de type actif (correction +/- 15 dB à 80 Hz) commande les tonalités graves. Attention: Une forte accentuation des fréquences graves augmente la consommation de puissance et les risques de claquage du haut-parleur.

#### (5) HIGH FREQUENCY EQ

(Potentiomètre Aigus)  
Ce réglage de type actif (correction +/- 15 dB à 10 kHz) commande les tonalités aigües.

#### (6) REVERB

(Réverb)  
Règle le niveau de réverbération sur le canal en cause, le niveau général de l'effet restant dépendant du réglage "Master Reverb". Lorsqu'on utilise des effets extérieurs, ce contrôle détermine le niveau envoyé sur la prise départ effet (Effects Send) de la section "Master".

#### (7) MONITOR

Cette commande est indépendante de toutes les autres fonctions du canal. Elle dose le niveau de signal de ce canal envoyé sur le mélange Monitor.

#### (1) BALANCED, LOW IMPEDANCE INPUT

(Entrada de Baja Impedancia, Balanceada)  
Para uso con microfonos de baja impedancia o sistemas de baja ganancia equipados con conector XLR (canon).

#### (2) HIGH IMPEDANCE INPUT JACK

(Conector de Entrada de Alta Impedancia)  
Para uso con microfonos de alta impedancia o sistemas de alta ganancia equipados con un conector (plug) de 1/4 de pulgada.

NOTA: No es posible usar las dos entradas de alta y baja impedancia en un canal simultáneamente.

#### (3) GAIN

(Ganancia)  
Controla el volumen del canal.

#### (4) LOW EQ

(Ecuador de Frecuencias Bajas)  
Un control de tono activo (tipo shelving, +/- 15 dB) que varía la gama de frecuencias graves. Precaución: Un aumento excesivo de baja frecuencia causa mayor consumo de potencia y aumenta la posibilidad de dañar el altavoz.

#### (5) HIGH EQ

(Ecuador de Frecuencias Agudas)  
Control de tono activo (tipo shelving, +/- 15 dB) que varía la gama de frecuencias agudas.

#### (6) REVERB

(Reverberación)  
Ajusta el nivel de reverberación (efecto de eco) para el canal, y debe ser usado con el control maestro de reverberación. Cuando se conectan efectos externos, este control ajusta la señal de volumen de el conector (jack) de salida de efectos en la sección maestra.

#### (7) MONITOR

(Monitor)  
Determina el nivel de la mezcla del monitor del canal y es independiente de todos los otros controles del canal.

**(8) MASTER GAIN**

Controls the overall volume level of the system.

**(8) MASTER GAIN**

**(Master Gain)**  
Regler für die Gesamtlautstärke des Systems.

**(8) MASTER GAIN**

**(Gain Général)**  
Commande le niveau général de l'appareil.

**(8) MASTER GAIN**

**(Control Maestro de Ganancia)**  
Controla el nivel de volumen general del sistema.

**(9) MASTER MONITOR**

Controls the overall monitor mix level.

**(9) MASTER MONITOR**

**(Master Monitor)**  
Regler für die Gesamtlautstärke des Monitormix.

**(9) MASTER MONITOR**

**(Monitor Général)**  
Commande le niveau general de le mélange monitor.

**(9) MASTER MONITOR**

**(Monitor Maestro)**  
Controla el nivel general de la mezcla del monitor.

**(10) MASTER REVERB**

Controls the overall reverb level.

**(10) MASTER REVERB**

**(Master Reverb)**  
Regler für den Gesamtanteil des Halls.

**(10) MASTER REVERB**

**(Volume Général Réverb)**  
Commande le niveau général de l'effet réverbération.

**(10) MASTER REVERB**

**(Control Maestro de Reverberación)**  
Controla el nivel general de la reverberación.

**(11) GRAPHIC EQUALIZER**

This seven-band, one octave equalizer provides 15 dB of boost or cut at each center frequency.

**(11) GRAPHIC EQUALIZER**

**(Graphic Equalizer)**  
Dieser Sieben-Band-Equalizer ermöglicht eine Anhebung oder Absenkung von 15 dB der Eckfrequenzen.

**(11) GRAPHIC EQUALIZER**

Equaliseur graphique à sept bandes d'une octave. Efficacité de +/- 15 dB sur la fréquence centrale.

**(11) GRAPHIC EQUALIZER**

**(Ecuilizador Gráfico)**  
Este ecualizador de siete bandas, una octava provee 15 decibels de aumento o corte a cada centro de frecuencia.

**OPERATION NOTE**

This equalizer is designed to provide room equalization, feedback control and system tone control. No amount of equalization will correct an acoustically bad room/mic/speaker arrangement or completely correct the response curve of a poor loudspeaker. Always begin with all sliders in the "0" position and avoid excessively cutting large segments of the audio pass-band, which would limit the system's dynamic range.

**OPERATION NOTE**

**(Operation Note)**  
Bedienungshinweis: Dieser Equalizer ist für die Vermeidung von Rückkopplungen und für die Klangregelung vorgesehen. Die Korrektur von einer schlechten Raumakustik, schlechter Mikrophone und Lautsprecher ist nur sehr eingeschränkt möglich und bedarf anderer Maßnahmen.

**OPERATION NOTE**

**(Note d'utilisation)**  
Un égaliseur est conçu pour corriger l'acoustique d'une pièce, abaisser le seuil de réaction "Larsen" ou corriger la tonalité. En revanche, il ne pourra pas remédier totalement à un ensemble acoustiquement faible (salle/micro/ baffles).

Avant d'effectuer une correction, rétablissez les curseurs en position centrale. Puis corrigez progressivement, en évitant si possible de couper fortement des plages entières du spectre audio. Ceci limiterait la dynamique du système.

**OPERATION NOTE**

**(Nota de Operación)**  
Nota de Operación: Este ecualizador esta diseñado para proveer ecualización de ambiente, control de retroalimentación y sistema de control de tono. Ninguna cantidad de ecualización, corregirá un acusticamente mal cuarto/micrófono/bocina arreglando o corrigiendo completamente la curva de respuesta de un deficiente altavos. Siempre comenzar con todos los controles deslizables en la posición "0" y elimine cortando excesivamente largos segmentos de la banda de audio, el cual limita la dinámica de rango del sistema.

**(12) FOOTSWITCH**

For connection of a footswitch (optional) and is used to activate/defeat reverb.

**(12) FOOTSWITCH**

**(Footswitch)**  
Zum Anschluß eines (optionalen) Fußschalters. Dient zum Ein- und Ausschalten des Halls.

**(12) FOOTSWITCH**

**(Interrupteur au pied)**  
Prise pour interrupteur au pied (en option). Cet interrupteur mettra en/ou hors service la réverbération.

**(12) FOOTSWITCH**

**(Interruptor de pie)**  
Para la conexión de un pedal de pie (opcional) y es usado para activar y desactivar la reverberación.

**(13) AUXILIARY INPUT**

An input to the main mixing bus for patching in signals from external devices such as effects processors or extra mixing channels, etc.

**(13) AUXILIARY INPUT**

**(Auxiliary Input)**  
Ein Eingang zum Anschluß von Effektgeräten oder anderen Tonquellen in das Summensignal des Verstärkers.

**(13) AUXILIARY INPUT**

**(Entrée Auxiliaire)**  
Prise d'accès direct à la basse bus principale. Permet l'insertion de signaux d'effets extérieurs, de sous-mélanges, etc...

**(13) AUXILIARY INPUT**

**(Entrada Auxiliar)**  
Una entrada a la línea principal de mixeo para interconectar señales de objetos externos tales como efectos procesadores o canales de mixeo extras, etc.

**(14) EFFECTS OUTPUT**

Output for supplying signals to external effects or signal processing equipment.

**(14) EFFECTS OUTPUT**

**(Effects Output)**  
Ausgang zum Ansteuern externer Effektgeräte.

**(14) EFFECTS OUTPUT**

**(Sortie Effets)**  
Prise de sortie fournissant les signaux pour un boîtier d'effets ou autre trafic sonore.

**(14) EFFECTS OUTPUT**

**(Salida de Efectos)**  
Salida para proveer de señal a efectos externos o equipo procesador de señal.

**(15) MONITOR OUTPUT**

Provides the signal for an external monitor amplifier/speaker system. The level is determined by the channel monitor and master monitor controls. (See Figure 1)

**(15) MONITOR OUTPUT**

**(Monitor Output)**  
Liefert das Signal zum Ansteuern eines externen Monitorverstärker/Lautsprecher-systems. Das Ausgangssignal wird durch die Monitorregler des Einzelkanals sowie durch den Summen-Monitorregler bestimmt. (Bild 2)

**(15) MONITOR OUTPUT**

**(Sortie Monitor)**  
Prise de sortie pour retour de scène (moniteur). Le niveau en est déterminé par les réglages "Monitor" des canaux et "Master" (voir figure 1).

**(15) MONITOR OUTPUT**

**(Salida de Monitor)**  
Provee la señal para un monitor externo sistema de bocinas y amplificador. El nivel es determinado por el monitor del canal y el control maestro de monitor (ver figura 1).

**(16) MAIN OUTPUT**

Provides signal from the main mix before the equalizer. Used primarily to feed an auxiliary amplifier/speaker system. (See Figure 2)

**(16) MAIN OUTPUT**

**(Main Output)**  
Liefert ein Ausgangssignal des Summenmix vor dem Equalizer. Dieser Ausgang ist in erster Linie zur Ansteuerung einer externen Verstärkeranlage vorgesehen. (Bild 2)

**(16) MAIN OUTPUT**

**(Sortie Principale)**  
Prise de sortie du signal général avant égaliseur. Son but principal sera d'attaquer un éventuel amplificateur supplémentaire.

**(16) MAIN OUTPUT**

**(Salida Principal)**  
Provee la señal desde el mixer principal antes del ecualizador. Usado principalmente para alimentar un sistema auxiliar de amplificador y bocina. (ver figura 2)

**(17) GRAPHIC INPUT**

Provides an input to the internal graphic equalizer/power amp. This is a switching jack, and a signal inserted here interrupts the normal signal path from the main bus into the equalizer.

**(17) GRAPHIC INPUT**

**(Graphic Input)**  
Anschlußbuchse zum Einschleifen eines Signals in den Equalizer/die Endstufe. Wenn ein Signal angeschlossen ist, ist der normale Signalfuß von der Mixsumme in den Equalizer unterbrochen.

**(17) GRAPHIC INPUT**

**(Entrée Egaliseur)**  
Prise d'entrée donnant accès à l'égaliseur graphique incorporé. Cette prise comprend un interrupteur: lorsqu'une fiche jack y est branchée, le cheminement du signal principal est interrompu.

**(17) GRAPHIC INPUT**

**(Entrada a la Gráfica)**  
Provee una entrada al ecualizador gráfico y amplificador internos. Este es un interruptor, y una señal conectada allí interrumpe la señal normal de la línea principal al ecualizador.

#### OPERATION NOTE

This jack permits the equalizer to be switched away from its normal input, to accept an external signal to be equalized. One example of this patching feature is shown in Figure 2.

#### OPERATION NOTE

##### (Operation Note)

Bedienungshinweis: Diese Buchse ermöglicht die Abschaltung des normalen Signals und den Anschluß externer Signale an den eingebauten Equalizer. Ein Beispiel dieser Anschlußmöglichkeit sehen Sie in Bild 2 oben.

#### OPERATION NOTE

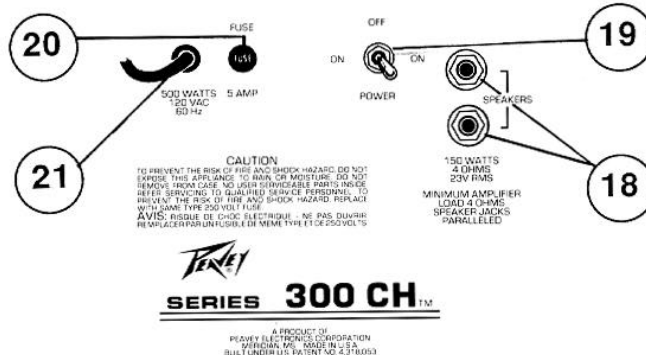
##### (Note d'utilisation)

Cette prise jack avec interrupteur permet d'isoler l'égaliseur de son entrée normale pour traiter, à la place, un autre signal que l'on y appliquera. Voici, Figure 2, un exemple de cette possibilité d'application.

#### OPERATION NOTE

##### (Nota de Operación)

Nota de Operación: Esta entrada permite al ecualizador ser desactivado desde una entrada normal para aceptar una señal externa a ser ecualizada. Un ejemplo de este tipo de conexión se muestra en la figura 2.



#### (18) SPEAKER OUTPUTS

Provided for connection of external speaker(s). Minimum total impedance is 4 ohms.

#### (18) SPEAKER OUTPUTS

##### (Speaker Outputs)

Vorgesehen für den Anschluß externer Lautsprecher. Die Gesamtimpedanz von 4 Ohm darf nicht unterschritten werden.

#### (18) SPEAKER OUTPUTS

##### (Sorties haut-parleurs)

Prises de sortie vers haut-parleur (s) extérieur (s). L'impédance résultante devra être au minimum de 4 ohms sur chaque prise.

#### (18) SPEAKER OUTPUTS

##### (Salida de Bocinas)

Provista para la conexión de bocinas externas. El mínimo total de impedancia es de 4 ohms.

#### (19) POWER SWITCH

Center position is OFF. Two ON positions are provided, one of which will properly ground the amplifier. Switch to the ON side that yields the lowest amount of residual hum or popping noise when the instrument is touched. 220 and 240 volt models utilize a two way On/Off switch only.

#### (19) POWER SWITCH

##### (Netzschalter)

Die Exportgeräte mit 220/240 Volt Netzspannung sind mit einem On/Off-Schalter versehen.

#### (19) POWER SWITCH

##### (Interrupteur Secteur)

Interrupteur général de mise sous tension de l'appareil.

#### (19) POWER SWITCH

##### (Interruptor de Poder)

La posición del centre es OFF. Tiene dos posiciones ON, una de las cuales conecta perfectamente el amplificador. Cuando el instrumento no funciona bien, enchufar a la parte del ON que produce la menor cantidad de zumbido residual o ruido. Los modelos de 220 y 240 voltios utilizan un interruptor de dos posiciones sólo: ON/OFF.

#### (20) FUSE

The fuse is located within the cap of the fuseholder. If the fuse should fail, IT MUST BE REPLACED WITH THE SAME TYPE AND VALUE IN ORDER TO AVOID DAMAGE TO THE EQUIPMENT AND TO PREVENT VOIDING THE WARRANTY. If the amp repeatedly blows fuses, it should be taken to a qualified service center for repair.

**WARNING: THE FUSE SHOULD ONLY BE REPLACED WHEN THE POWER CORD HAS BEEN DISCONNECTED FROM ITS POWER SOURCE.**

#### (20) FUSE

##### (Sicherung)

Die Sicherung befindet sich in der Kappe des Sicherungshalters. Falls die Sicherung zerstört wird, muß sie durch eine Sicherung des gleichen Typs und der gleichen Werte ersetzt werden. Andernfalls besteht die Gefahr, daß das Gerät beschädigt wird und Ihnen die Garantie verloren geht. Falls der Verstärker wiederholt die Sicherungen zerstört, muß er durch eine Peavey-Vertretung repariert werden. Achtung: Die Sicherung darf nur bei gezogenem Netzstecker gewechselt werden.

#### (20) FUSE

##### (Fusible)

Le fusible se trouve à l'intérieur de son support. En cas de coupure du fusible, il doit être remplacé par le MEME TYPE et la MEME VALEUR pour éviter tout DOMMAGE à L'APPAREIL et conserver le DROIT à la GARANTIE. Si le fusible claque de manière répétée, soumettre l'appareil à un technicien qualifié pour vérification.

**ATTENTION: Le FUSIBLE ne doit être remplacé qu'APRES AVOIR DEBRANCHE LE CORDON SECTEUR DE LA PRISE.**

#### (20) FUSE

##### (Fusible)

El fusible se encuentra localizado dentro de la cápsula del portafusible si el fusible se quema o falla, DEBERA SER REPUESTO CON UNO DEL MISMO TIPO Y VALORES, PARA PREVENIR DANO AL APARATO Y CANCELAR LA GARANTIA. Si el aparato quema los fusibles repetidamente, vea si está conectado a un tomacorriente con el voltaje adecuado, si esto es correcto, entonces desconecte y lleve a revisión por un técnico autorizado.

**ATENCION:** El fusible deberá ser reemplazado, solo cuando el cable de alimentación sea desconectado del tomacorriente.

#### (21) LINE CORD

For your safety, we have incorporated a 3-wire line (mains) cable on the back of the chassis with proper grounding facilities. It is not advisable to remove the ground pin under any circumstances. If it is necessary to use the amplifier without proper grounding facilities, suitable grounding adapters should be used. Less noise and greatly reduced shock hazard exists when the unit is operated with the proper grounded receptacles. NOTE: The above statement in reference to removing the ground pin is applicable only to 120 volt model products.

#### (21) LINE CORD

Die Netzanschlußschnur und die Sicherheitsvorrichtungen entsprechen den neuesten gültigen VDE-Richtlinien.

#### (21) LINE CORD

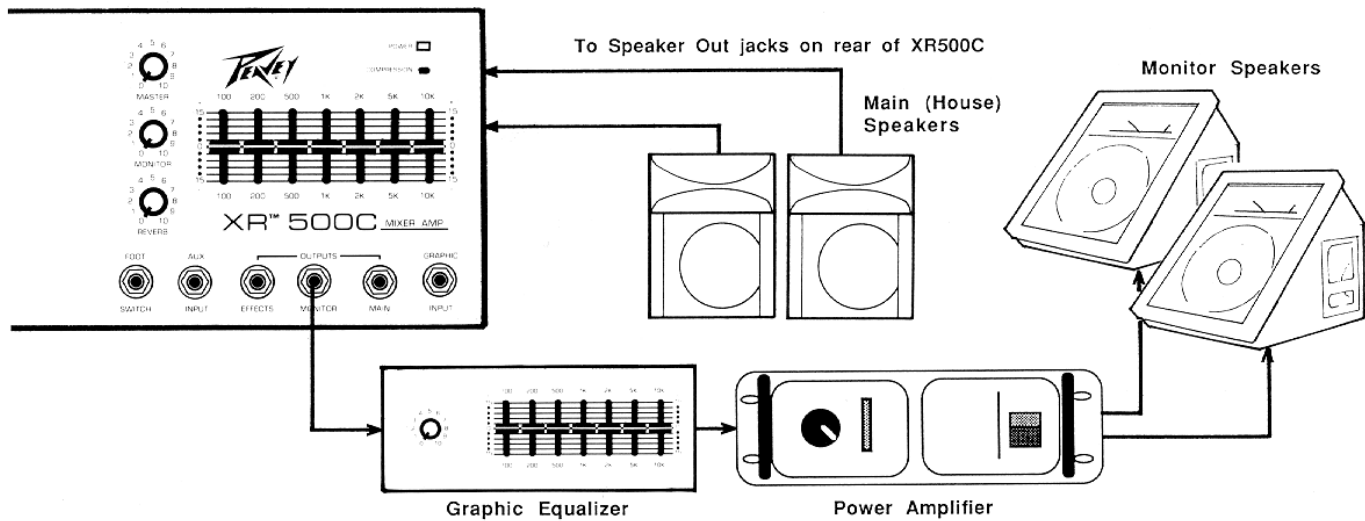
##### (Cordon Secteur)

Cordon d'alimentation secteur avec câble à trois conducteurs dont terre. Ne pas tenter d'enlever la broche de mise à la terre qui assure une sécurité électrique et participe à minimiser le bruit de fond.

#### (21) LINE CORD

##### (Cable de Línea)

Para su seguridad hemos incorporado un cable trifásico en la parte posterior del chasis con instalaciones apropiadas para su conexión. No es recomendable quitar la clavija de conexión en ningún momento. Si se necesita usar el amplificador sin instalaciones de conexión adecuadas se deberá usar un adaptador. Cuando se usa el aparato con buenos receptáculos conectados se tendrá menos ruido y menos peligro de descarga.

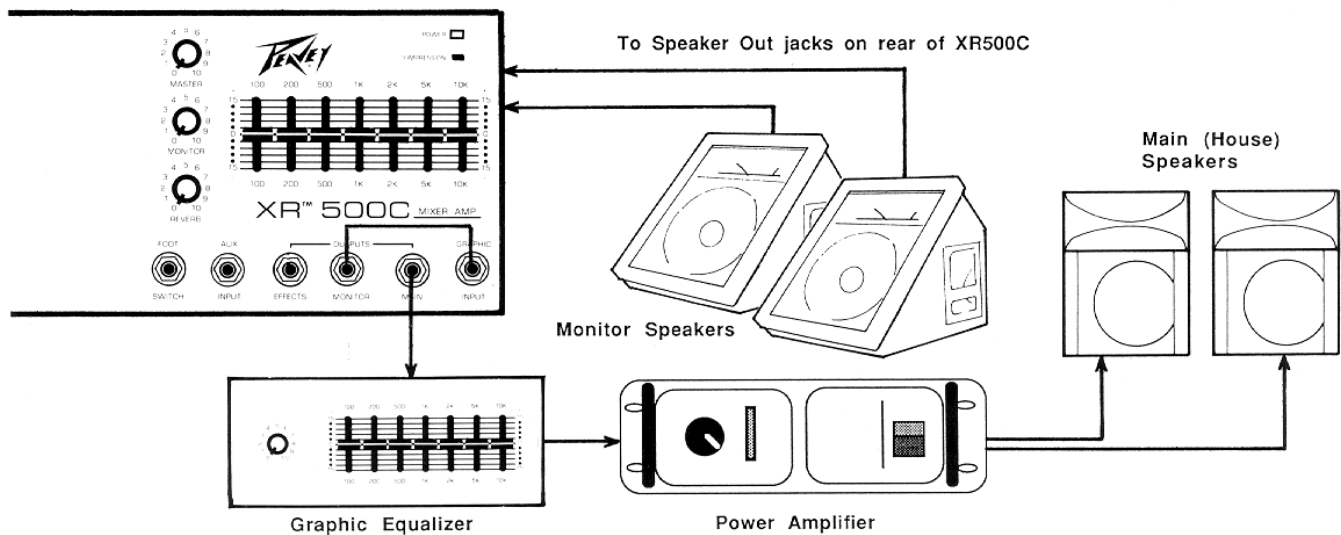


**FIGURE 1**  
This is the normal hookup procedure for the XR™ 500C. (Monitor system optional.) Notice that use of the monitor output jack requires an auxiliary power amplifier to drive the monitor speakers. (The monitor equalizer is preferred but not always required.)

**FIGURE 1**  
(Figure 1)  
Hier sehen Sie die normale Anschlußweise des XR™500C. (Monitorsystem Sonderausstattung) Bitte beachten Sie, daß zur Nutzung des Monitorausgangs ein separates Verstärker/Lautsprechersystem notwendig ist. (Der Monitorequalizer ist empfehlenswert, jedoch nicht immer notwendig.)

**FIGURE 1**  
Branchement normal d'un retour de scène sur une XR™ 500C. L'amplificateur du retour est branché sur la prise "Monitor Output". Un égaliseur sur le retour sera utile dans la plupart des cas.

**FIGURE 1**  
(Figure 1)  
Este es el procedimiento normal de la conexión del XR™ 500C (sistema de monitor opcional). Notece que para usar el conector de salida de monitor se requiere un amplificador de poder auxiliar para amplificar las bocinas del monitor. (El equalizador del monitor es preferible pero no siempre requerido).



**FIGURE 2**  
This illustration shows one use for the Main Out, Monitor Out and Graphic Input. This is an optional method of operating the XR-500C when a monitor system is utilized and more than 150 watts is needed for the main speaker system.

**FIGURE 2**  
(Figure 2)  
Diese Illustration zeigt eine Anschlußmöglichkeit des Main Out, Monitor Out und Graphic Input. Diese Erweiterungsmöglichkeit ist dann sehr nützlich, wenn ein Monitorsystem angeschlossen werden soll oder wenn Leistungen von mehr als 150 Watt für die Saallautsprecher benötigt werden.

**FIGURE 2**  
Détail d'une utilisation des prises Main Out, Monitor Out et Graphic Input. Cette configuration montre le branchement d'une XR-500C dans le cas où on utilise un retour de scène et où l'on souhaite une puissance supérieure à 150 watts pour la sonorisation principale.

**FIGURE 2**  
(Figure 2)  
Esta ilustración muestra un uso para la salida principal, salida de monitor y entrada a la gráfica. Este es un método opcional de operación del XR-500C cuando un sistema de monitores es utilizado y más de 150 Watts son necesarios para el sistema de bocinas principal.



## XR 500C MIXER/POWER AMP SPECIFICATIONS

### SUMMARY OF FUNCTIONS:

5 in, 1 Main out, 1 Pre Monitor Out, 1 Post Effects Out, 2 band EQ each channel, 1 patchable 7 band Graphic EQ, internal Reverb, 150 Watt amplifier with DDT™

### Inputs, Each of 5 Channels:

1 Low Z balanced Mic, 1 High Z unbalanced Line

### Inputs, Master:

1 Med Z unbalanced Auxiliary, 1 High Z unbalanced Graphic Input

### Outputs, Master:

1 Low Z unbalanced Line each for Main, Monitor & Effects; Reverb Footswitch

### Outputs, Power Amp:

Two parallel jacks, 4 Ohm minimum parallel load

### MIXER SECTION:

The following preamp specifications are measured with all EQ flat at 0 dB, Master Gain at 5; nominal signal levels are with Channel Gain at 5, minimum signal levels are with Channel Gain at 10 (Full clockwise)

### Channel Microphone Inputs:

Mic Impedance: Low Z 600 Ohms balanced  
Nominal Input Level: -28 dBm, 30 mV RMS  
Minimum Input Level: -42 dBm, 6 mV RMS  
Maximum Input Level: -4 dBm, 0.5V RMS

### Channel Line (High Z Mic) Inputs:

Line Impedance: Hi Z 220K Ohms unbalanced  
Nominal Input Level: -14 dBV, 200 mV RMS  
Minimum Input Level: -28 dBV, 40 mV RMS  
Maximum Input Level: +10 dBV, 3 volts RMS

### Master Auxiliary Input:

Line Impedance: Med Z 22K Ohms unbalanced  
Designed Input Level: 0 dBV, 1V RMS

### Master Graphic Input:

Line Impedance: High Z 47K Ohms unbalanced  
Designed Input Level: 0 dBV, 1 volt RMS  
(Switching jack which connects graphic input to preamp output when not used)

### Main, Monitor & Effects Outputs:

Load Impedance: 1K Ohms or greater  
Nominal Output: 0 dBV, 1V RMS  
Maximum Output: +18 dBV, 8V RMS into 50K Ohms load

The following specs measured at nominal settings with all EQ set flat at 0 dB, all Low Z inputs terminated at 600 Ohms or all High Z inputs unterminated

**Frequency Response** (Any in/out combination with 1V RMS output): +0, -2 dB, 40 Hz to 20 kHz

**Preamp Hum & Noise:** -84 dBV (Hi Z Line inputs)  
(All channels on): -80 dBV (Lo Z Mic inputs)

**Overall distortion:** (Any in/out combination, 20 Hz - 20 kHz at 1V RMS): Less than .1% THD, typically below .05%

**Channel EQ:** +/-15 dB at 60 Hz & 5 kHz, shelving

**Master Graphic EQ:** +/-15 dB at 100 Hz, 200 Hz, 500 Hz, 1 kHz, 2 kHz, 5 kHz, 10 kHz, peak/notch

**Maximum Available Gain:** +14 dB master control; +30 dB channel control (Hi Z); +16 dB balanced input amp; +60 dB Total

### POWER AMPLIFIER SECTION - 300CH Module with DDT™

#### Rated Power & Load:

90W RMS into 8 Ohms; 150W RMS into 4 Ohms; 2 Ohms not recommended

#### Power at Clipping, 1% THD, 1 kHz, 120 VAC Line

Typically: 100W RMS into 8 Ohms; 165W RMS into 4 Ohms

#### Frequency Response:

+0, -1 dB, 10 Hz to 40 kHz, at 150 Watts into 4 Ohms

#### Slew Rate:

40V/microsecond into 4 Ohms

#### Damping Factor:

Greater than 200 at 1 kHz, 4 Ohms

#### Total Harmonic Distortion:

Less than 0.2%, 100 mW to 150W RMS, 10 Hz to 20 kHz, 4 Ohms, typically below 0.1%

#### DDT™ Dynamic Range:

Greater than 20 dB

#### DDT™ Maximum THD:

Below 0.5% for 6 dB overload; below 0.8% for 14 dB overload

#### Hum & Noise:

100 dB below 150W (20 Hz - 20 kHz)

#### Power Requirements:

120 VAC, 50/60 Hz, 500 Watts

### DANGER

EXPOSURE TO EXTREMELY HIGH NOISE LEVELS MAY CAUSE A PERMANENT HEARING LOSS. INDIVIDUALS VARY CONSIDERABLY IN SUSCEPTIBILITY TO NOISE INDUCED HEARING LOSS, BUT NEARLY EVERYONE WILL LOSE SOME HEARING IF EXPOSED TO SUFFICIENTLY INTENSE NOISE FOR A SUFFICIENT TIME.

THE U.S. GOVERNMENT'S OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) HAS SPECIFIED THE FOLLOWING PERMISSIBLE NOISE LEVEL EXPOSURES:

#### DURATION PER DAY IN HOURS

8  
6  
4  
3  
2  
1½  
1  
½  
¼ or less

#### SOUND LEVEL dBA, SLOW RESPONSE

90  
92  
95  
97  
100  
102  
105  
110  
115

ACCORDING TO OSHA, ANY EXPOSURE IN EXCESS OF THE ABOVE PERMISSIBLE LIMITS COULD RESULT IN SOME HEARING LOSS.

EAR PLUGS OR PROTECTORS IN THE EAR CANALS OR OVER THE EARS MUST BE WORN WHEN OPERATING THIS AMPLIFICATION SYSTEM IN ORDER TO PREVENT A PERMANENT HEARING LOSS IF EXPOSURE IS IN EXCESS OF THE LIMITS AS SET FORTH ABOVE. TO INSURE AGAINST POTENTIALLY DANGEROUS EXPOSURE TO HIGH SOUND PRESSURE LEVELS, IT IS RECOMMENDED THAT ALL PERSONS EXPOSED TO EQUIPMENT CAPABLE OF PRODUCING HIGH SOUND PRESSURE LEVELS SUCH AS THIS AMPLIFICATION SYSTEM BE PROTECTED BY HEARING PROTECTORS WHILE THIS UNIT IS IN OPERATION.

### CAUTION

THIS AMPLIFIER HAS BEEN DESIGNED AND CONSTRUCTED TO PROVIDE ADEQUATE POWER RESERVE FOR PLAYING MODERN MUSIC WHICH MAY REQUIRE OCCASIONAL PEAK POWER. TO HANDLE OCCASIONAL PEAK POWER, ADEQUATE POWER "HEADROOM" HAS BEEN DESIGNED INTO THIS SYSTEM. EXTENDED OPERATION AT ABSOLUTE MAXIMUM POWER LEVELS IS NOT RECOMMENDED SINCE THIS COULD DAMAGE THE ASSOCIATED LOUDSPEAKER SYSTEM. PLEASE BE AWARE THAT MAXIMUM POWER CAN BE OBTAINED WITH VERY LOW SETTINGS OF THE GAIN CONTROLS IF THE INPUT SIGNAL IS VERY STRONG.

1. Read all safety and operating instructions before using this product.
2. All safety and operating instructions should be retained for future reference.
3. Obey all cautions in the operating instructions and on the back of the unit.
4. All operating instructions should be followed.
5. This product should not be used near water, i.e. a bathtub, sink, swimming pool, wet basement, etc.
6. This product should be located so that its position does not interfere with its proper ventilation. It should not be placed flat against a wall or placed in a built-in enclosure that will impede the flow of cooling air.
7. This product should not be placed near a source of heat such as a stove, radiator or another heat producing amplifier.

8. Connect only to a power supply of the type marked on the unit adjacent to the power supply cord.
9. Never break off the ground pin on the power supply cord. For more information on grounding write for our free booklet "Shock Hazard and Grounding."
10. Power supply cords should always be handled carefully. Never walk or place equipment on power supply cords. Periodically check cords for cuts or signs of stress, especially at the plug and the point where the cord exits the unit.
11. The power supply cord should be unplugged when the unit is to be unused for long periods of time.
12. If this product is to be mounted in an equipment rack, rear support should be provided.

13. Metal parts can be cleaned with a damp rag. The vinyl covering used on some units can be cleaned with a damp rag, or an ammonia based household cleaner if necessary.
14. Care should be taken so that objects do not fall and liquids are not spilled into the unit through the ventilation holes or any other openings.
15. This unit should be checked by a qualified service technician if:  
A. The power supply cord or plug has been damaged.  
B. Anything has fallen or been spilled into the unit.  
C. The unit does not operate correctly.  
D. The unit has been dropped or the enclosure damaged.
16. The user should not attempt to service this equipment. All service work should be done by a qualified service technician.

**THIS LIMITED WARRANTY VALID ONLY WHEN PURCHASED AND REGISTERED IN THE UNITED STATES OR CANADA. ALL EXPORTED PRODUCTS ARE SUBJECT TO WARRANTY AND SERVICES TO BE SPECIFIED AND PROVIDED BY THE AUTHORIZED DISTRIBUTOR FOR EACH COUNTRY.**

Ces clauses de garantie ne sont valables qu'aux Etats-Unis et au Canada. Dans tous les autres pays, les clauses de garantie et de maintenance sont fixées par le distributeur national et assurées par lui selon la législation en vigueur.

Diese Garantie ist nur in den USA und Kanada gültig. Alle Export-Produkte sind der Garantie und dem Service des Importeurs des jeweiligen Landes unterworfen. Esta garantía es válida solamente cuando el producto es comprado en E.U. continentales o en Canada. Todos los productos que sean comprados en el extranjero, están sujetos a las garantías y servicio que cada distribuidor autorizado determine y ofrezca en los diferentes países.

**PEAVEY ONE-YEAR LIMITED  
WARRANTY/REMEDY**

PEAVEY ELECTRONICS CORPORATION ("PEAVEY") warrants this product, EXCEPT for covers, footswitches, patchcords, tubes and meters, to be free from defects in material and workmanship for a period of one (1) year from date of purchase, PROVIDED, however, that this limited warranty is extended only to the original retail purchaser and is subject to the conditions, exclusions, and limitations hereinafter set forth:

**PEAVEY 90-DAY LIMITED WARRANTY ON TUBES AND METERS**

If this product contains tubes or meters, Peavey warrants the tubes or meters contained in the product to be free from defects in material and workmanship for a period of ninety (90) days from date of purchase; PROVIDED, however, that this limited warranty is extended only to the original retail purchaser and is also subject to the conditions, exclusions, and limitations hereinafter set forth.

**CONDITIONS, EXCLUSIONS, AND LIMITATIONS OF LIMITED WARRANTIES**

These limited warranties shall be void and of no effect, if:

- a. The first purchase of the product is for the purpose of resale; or
- b. The original retail purchase is not made from an AUTHORIZED PEAVEY DEALER; or
- c. The product has been damaged by accident or unreasonable use, neglect, improper service or maintenance, or other causes not arising out of defects in material or workmanship; or
- d. The serial number affixed to the product is altered, defaced, or removed.

In the event of a defect in material and/or workmanship covered by this limited warranty, Peavey will:

- a. In the case of tubes or meters, replace the defective component without charge.
- b. In other covered cases (i.e., cases involving anything other than covers, footswitches, patchcords, tubes or meters), repair the defect in material or workmanship or replace the product, at Peavey's option; and provided, however, that, in any case, all costs of shipping, if necessary, are paid by you, the purchaser.

**THE WARRANTY REGISTRATION CARD SHOULD BE ACCURATELY COMPLETED AND MAILED TO AND RECEIVED BY PEAVEY WITHIN FOURTEEN (14) DAYS FROM THE DATE OF YOUR PURCHASE.**

In order to obtain service under these warranties, you must:

- a. Bring the defective item to any PEAVEY AUTHORIZED DEALER or AUTHORIZED PEAVEY SERVICE CENTER and present therewith the ORIGINAL PROOF OF PURCHASE supplied to you by the AUTHORIZED PEAVEY DEALER in connection with your purchase from him of this product.

If the DEALER or SERVICE CENTER is unable to provide the necessary warranty service you will be directed to the nearest other PEAVEY AUTHORIZED DEALER or AUTHORIZED PEAVEY SERVICE CENTER which can provide such service.

**OR**

- b. Ship the defective item, prepaid, to:

**PEAVEY ELECTRONICS CORPORATION**  
International Service Center  
326 Hwy. 11 & 80 East  
MERIDIAN, MS 39301

including therewith a complete, detailed description of the problem, together with a legible copy of the original PROOF OF PURCHASE and a complete return address. Upon Peavey's receipt of these items:

If the defect is remedial under these limited warranties and the other terms and conditions expressed herein have been complied with, Peavey will provide the necessary warranty service to repair or replace the product and will return it, FREIGHT COLLECT, to you, the purchaser.

Peavey's liability to the purchaser for damages from any cause whatsoever and regardless of the form of action, including negligence, is limited to the actual damages up to the greater of \$500.00 or an amount equal to the purchase price of the product that caused the damage or that is the subject of or is directly related to the cause of action. Such purchase price will be that in effect for the specific product when the cause of action arose. This limitation of liability will not apply to claims for personal injury or damage to real property or tangible personal property allegedly caused by Peavey's negligence. Peavey does not assume liability for personal injury or property damage arising out of or caused by a non-Peavey alteration or attachment, nor does Peavey assume any responsibility for damage to interconnected non-Peavey equipment that may result from the normal functioning and maintenance of the Peavey equipment.

**UNDER NO CIRCUMSTANCES WILL PEAVEY BE LIABLE FOR ANY LOST PROFITS, LOST SAVINGS, ANY INCIDENTAL DAMAGES, OR ANY CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PRODUCT, EVEN IF PEAVEY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.**

THESE LIMITED WARRANTIES ARE IN LIEU OF ANY AND ALL WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR USE; PROVIDED, HOWEVER, THAT IF THE OTHER TERMS AND CONDITIONS NECESSARY TO THE EXISTENCE OF THE EXPRESSED, LIMITED WARRANTIES, AS HEREINABOVE STATED, HAVE BEEN COMPLIED WITH, IMPLIED WARRANTIES ARE NOT DISCLAIMED DURING THE APPLICABLE ONE-YEAR OR NINETY-DAY PERIOD FROM DATE OF PURCHASE OF THIS PRODUCT.

SOME STATES DO NOT ALLOW LIMITATION ON HOW LONG AN IMPLIED WARRANTY LASTS, OR THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATIONS OR EXCLUSIONS MAY NOT APPLY TO YOU. THESE LIMITED WARRANTIES GIVE YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS WHICH MAY VARY FROM STATE TO STATE.

THESE LIMITED WARRANTIES ARE THE ONLY EXPRESSED WARRANTIES ON THIS PRODUCT, AND NO OTHER STATEMENT, REPRESENTATION, WARRANTY, OR AGREEMENT BY ANY PERSON SHALL BE VALID OR BINDING UPON PEAVEY.

In the event of any modification or disclaimer of expressed or implied warranties, or any limitation of remedies, contained herein conflicts with applicable law, then such modification, disclaimer or limitation, as the case may be, shall be deemed to be modified to the extent necessary to comply with such law.

Your remedies for breach of these warranties are limited to those remedies provided herein and Peavey Electronics Corporation gives this limited warranty only with respect to equipment purchased in the United States of America.

**INSTRUCTIONS — WARRANTY REGISTRATION CARD**

1. Mail the completed WARRANTY REGISTRATION CARD to:

**PEAVEY ELECTRONICS CORPORATION**  
POST OFFICE BOX 2898  
MERIDIAN, MISSISSIPPI 39302-2898

- a. Keep the PROOF OF PURCHASE. In the event warranty service is required during the warranty period, you will need this document. There will be no identification card issued by Peavey Electronics Corporation.
2. **IMPORTANCE OF WARRANTY REGISTRATION CARDS AND NOTIFICATION OF CHANGES OF ADDRESSES:**
  - a. Completion and mailing of WARRANTY REGISTRATION CARDS — Should notification become necessary for any condition that may require correction, the REGISTRATION CARD will help ensure that you are contacted and properly notified.
  - b. Notice of address changes — If you move from the address shown on the WARRANTY REGISTRATION CARD, you should notify Peavey of the change of address so as to facilitate your receipt of any bulletins or other forms of notification which may become necessary in connection with any condition that may require dissemination of information or correction.
3. You may contact Peavey directly by telephoning (601) 483-5365.



Features and specifications subject to change without notice.

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